

UDOT Minimum Sampling and Testing Requirements

Revised January '07

Specification - Material: 03055 Portland Cement Concrete

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Quality Assurance: Sieve Analysis

Reference: AASHTO T 27 / T 11

Lot Size: Weekly production

Frequency per Lot: One test per stockpile during any week concrete is being provided to a UDOT project

Point of Acceptance: Supplier Stockpile

Sampling Reference: AASHTO T 2

Report/Form:

Quality Assurance: Slump, Air Content, and Concrete Temperature

Reference: AASHTO T 119, AASHTO T 152, AASHTO T 309

Lot Size: Production Day

Frequency per Lot: At beginning of placement, after shutdowns of 1 hour or more, and after each failed batch, test until two consecutive batches meet specification. Randomly thereafter for each 50 cubic yard minimum.

Point of Acceptance: Project Location – if first determination fails, immediately retest. If the second test meets specification, immediately retest. Batch is rejected on two failed determinations.

Sampling Reference: WAQTC TM 2

Report/Form:

Quality Assurance: Compressive Strength Test

Reference: Cast in accordance with AASHTO T 23 Tested in accordance with AASHTO T 22. One compressive strength test consists of a set of three cylinders.

Lot Size: Production Day

Frequency per Lot: One determination for each 50 cubic yards or fraction thereof. For placements less than 8 cubic yards, at Engineer's discretion.

Point of Acceptance: Project Location

Sampling Reference: WAQTC TM 2

Report/Form:

<i>Specification - Material: 03055 Portland Cement Concrete</i>

Quality Assurance: Visual Acceptance of very small quantities of material

Reference: Acceptance is limited to only materials being furnished from sources found satisfactory under normal sampling and testing procedures.

Lot Size: Not to exceed 4 cubic yards per day or 50 cubic yards per project.

Frequency per Lot: One report for each day material is accepted.

Point of Acceptance: Grade

Sampling Reference:

Report/Form: Visual Inspection Report
